Precalculus

Notes 6.2

1. Law of Cosines: Remember, to use the Law of Sines you must know at least one side and its opposite angle. **If given SSS or SAS, you cannot use Law of Sines!**

But you can use Law of Cosines:

Ex. 1: Solve the triangle with sides .

Find the angle opposite the longest side to see if it is obtuse. If it is, use Law of Sines to find the 2nd angle.

Ex. 2: Solve the triangle.

1. Heron’s Formula: where are lengths of sides and .

Ex. 3: Find the area of the triangle with sides of length: